01393350 WEST BRANCH ELIZABETH RIVER NEAR UNION, NJ

ELIZABETH RIVER BASIN

LOCATION.--Lat 40°41′32″, long 74°14′37″ referenced to North American Datum of 1983, Union Township, Union County, NJ, Hydrologic Unit 02030104, at bridge on Vauxhall Road, 330 ft northwest from Brookfall Avenue, 0.3 mi upstream from mouth, and 1.7 mi east from Union.

DRAINAGE AREA.--2.53 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999, 2005-08.

REMARKS.--Cooperative Network Site Descriptor: Trace Element Assessment (303d) special study site.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 1 of 2
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Time	Sample medium and type	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif-ic conduc-tance, wat unf μS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)
Oct									
02...	*0930*	*QC - Artificial, field blank*	--	--	--	--	--	--	--
02...	1000	Surface water, regular	1.5	--	2.7	28	7.6	679	18.6
Jan									
08...	1000	Surface water, regular	1.8	766	9.5	70	7.9	635	10.5
Apr									
02...	1200	Surface water, regular	13	768	9.7	88	7.8	313	8.0
Jun									
18...	1030	Surface water, regular	2.2	755	3.4	37	7.8	311	25.0

U.S. Department of the Interior
U.S. Geological Survey

01393350 WEST BRANCH ELIZABETH RIVER NEAR UNION, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO
SEPTEMBER 2008
Part 2 of 2
[QC, quality control sample. Remark codes:
<, less than; E, estimated.]

Date	Temper-ature, water, deg C (00010)	Mercury water, fltrd, μg/L (71890)	Mercury water, unfltrd recover-able, μg/L (71900)
Oct			
02...	--	<.010	--
02...	16.5	<.010	<.010
Jan			
08...	2.8	<.010	<.010
Apr			
02...	10.8	<.010	E.010
Jun			
18...	19.6	<.010	<.010